ABSTRACT OF THE DISCLOSURE

It is an object of this invention to provide an image reading apparatus for performing high-precision image read by canceling out noise based on digital signal processing and superimposed on an effective portion of an analog signal. In order to achieve this object, the image reading apparatus superimposes digital-based data and data-clock-based fixed noise on an sensor output signal in reference data acquiring operation as well to output data with the fixed data being canceled out in image read operation. The number of image read data may greatly differ from the number of data in reference data acquiring operation depending on the resolution, and the dummy clock output timing in reference data acquiring operation may differ from the data output timing in image read operation. To avoid such a situation, appropriate timings are selected/set for each resolution, with the clock output timing in reference data acquiring operation matching the data/clock output timing in image read operation, by selecting the number of data output terminals.